Microsoft

What is DevSecOps?

DevSecOps is the evolution of DevOps, where developer, security, and operations teams are united around the culture of security as a shared responsibility.
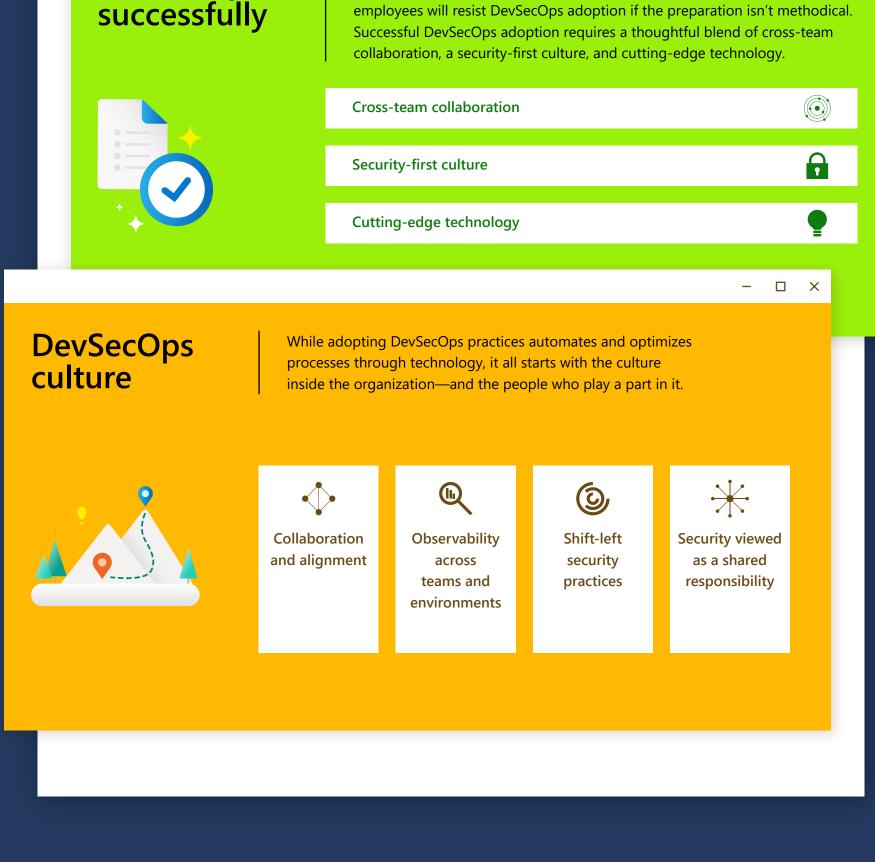
Developer + Security + Operations

A compound of development (Dev), security (Sec), and operations (Ops), DevSecOps is the union of people, process, and technology to foster a culture of continually providing value and consistent security to customers.

The benefits of DevSecOps

Teams that adopt DevSecOps culture, practices, and tools improve observability, strengthen security at early stages in application development, and proactively remediate vulnerabilities.

Accelerating time to market

Provide the necessary controls for compliance and security

Uncover vulnerabilities earlier

Improving the mean time to recovery

Adopting DevSecOps successfully

Just as DevOps in the past blended operations and developer teams and practices, the introduction of security to these teams requires patience. Large-scale changes often impact teams' abilities to meet deadlines, so employees will resist DevSecOps adoption if the preparation isn't methodical. Successful DevSecOps adoption requires a thoughtful blend of cross-team collaboration, a security-first culture, and cutting-edge technology.

Cross-team collaboration

Security-first culture

Cutting-edge technology

DevSecOps culture

While adopting DevSecOps practices automates and optimizes processes through technology, it all starts with the culture inside the organization—and the people who play a part in it.

Collaboration and alignment

Observability across teams and environments

Shift-left security practices

Security viewed as a shared responsibility

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